

TECH CENTER 1600/2900

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65

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/485,323

DATE: 08/06/2001
 TIME: 08:56:04

Input Set : A:\SEQUENCE LISTING6056-236.txt
 Output Set: N:\CRF3\08062001\I485323.raw

ENTERED

5 <110> APPLICANT: Niewiarowski, Stefan
 7 Marcinkiewicz, Cezary
 9 Temple University, of the Commonwealth System of Higher Education
 13 <120> TITLE OF INVENTION: EC-3, An Inhibitor of Alpha 4 Beta 1 and Alpha 4 Beta 7
 15 Integrins
 19 <130> FILE REFERENCE: 6056-236PC
 C--> 23 <140> CURRENT APPLICATION NUMBER: US/09/485,323
 C--> 25 <141> CURRENT FILING DATE: 2000-02-07
 29 <150> PRIOR APPLICATION NUMBER: 60/055,825
 31 <151> PRIOR FILING DATE: 1997-08-15
 35 <150> PRIOR APPLICATION NUMBER: 60/055,957
 37 <151> PRIOR FILING DATE: 1997-08-18
 41 <160> NUMBER OF SEQ ID NOS: 20
 45 <170> SOFTWARE: PatentIn Ver. 2.0
 49 <210> SEQ ID NO: 1
 51 <211> LENGTH: 24
 53 <212> TYPE: PRT
 55 <213> ORGANISM: Echis carinatus
 59 <220> FEATURE:
 61 <221> NAME/KEY: VARIANT
 63 <222> LOCATION: (11)
 65 <223> OTHER INFORMATION: K or T
 69 <220> FEATURE:
 71 <221> NAME/KEY: UNSURE
 73 <222> LOCATION: (6)
 75 <223> OTHER INFORMATION: preliminary amino acid sequence
 79 <220> FEATURE:
 81 <221> NAME/KEY: UNSURE
 83 <222> LOCATION: (7)
 85 <223> OTHER INFORMATION: preliminary amino acid sequence
 89 <220> FEATURE:
 91 <221> NAME/KEY: UNSURE
 93 <222> LOCATION: (12)
 95 <223> OTHER INFORMATION: preliminary amino acid sequence
 99 <220> FEATURE:
 101 <221> NAME/KEY: UNSURE
 103 <222> LOCATION: (20)
 105 <223> OTHER INFORMATION: preliminary amino acid sequence
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 111 Asn Ser Val His Pro Xaa Xaa Asp Pro Val Xaa Xaa Glu Pro Arg Glu
 113 1 5 10 15
 W--> 117 Gly Glu His Xaa Ile Ser Gly Pro
 119 20
 127 <210> SEQ ID NO: 2
 129 <211> LENGTH: 67
 131 <212> TYPE: PRT
 133 <213> ORGANISM: Echis carinatus

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137 <400> SEQUENCE: 2
139 Asn Ser Val His Pro Cys Cys Asp Pro Val Lys Cys Glu Pro Arg Glu
141 1 5 10 15
145 Gly Glu His Cys Ile Ser Gly Pro Cys Cys Arg Asn Cys Tyr Phe Leu
147 20 25 30
151 Arg Ala Gly Thr Val Cys Lys Arg Ala Val Gly Asp Asp Val Asp Asp
153 35 40 45
157 Tyr Cys Ser Gly Ile Thr Pro Asp Cys Pro Arg Asn Arg Tyr Lys Gly
159 50 55 60
163 Lys Glu Asp
165 65
171 <210> SEQ ID NO: 3
173 <211> LENGTH: 67
175 <212> TYPE: PRT
177 <213> ORGANISM: Echis carinatus
181 <400> SEQUENCE: 3
183 Asn Ser Val His Pro Cys Cys Asp Pro Val Lys Cys Glu Pro Arg Glu
185 1 5 10 15
189 Gly Glu His Cys Ile Ser Gly Pro Cys Cys Arg Asn Cys Lys Phe Leu
191 20 25 30
195 Asn Ala Gly Thr Ile Cys Lys Arg Ala Met Leu Asp Gly Leu Asn Asp
197 35 40 45
201 Tyr Cys Thr Gly Ile Ser Thr Asp Cys Pro Arg Asn Arg Tyr Lys Gly
203 50 55 60
207 Lys Glu Asp
209 65
215 <210> SEQ ID NO: 4
217 <211> LENGTH: 11
219 <212> TYPE: PRT
221 <213> ORGANISM: Echis carinatus
225 <400> SEQUENCE: 4
227 Lys Arg Ala Arg Gly Asp Asp Met Asp Asp Tyr
229 1 5 10
235 <210> SEQ ID NO: 5
237 <211> LENGTH: 11
239 <212> TYPE: PRT
241 <213> ORGANISM: Echis carinatus
245 <400> SEQUENCE: 5
247 Lys Arg Ala Val Gly Asp Asp Val Asp Asp Tyr
249 1 5 10
255 <210> SEQ ID NO: 6
257 <211> LENGTH: 11
259 <212> TYPE: PRT
261 <213> ORGANISM: Echis carinatus
265 <400> SEQUENCE: 6
267 Lys Arg Ala Met Leu Asp Gly Leu Asn Asp Tyr
269 1 5 10
275 <210> SEQ ID NO: 7
277 <211> LENGTH: 64

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279 <212> TYPE: PRT
 281 <213> ORGANISM: Vipera lebetina
 285 <400> SEQUENCE: 7
 287 Asn Ser Gly Asn Pro Cys Cys Asp Pro Val Thr Cys Gln Pro Arg Arg
 289 1 5 10 15
 293 Gly Glu His Cys Val Ser Gly Lys Cys Cys Arg Asn Cys Lys Phe Leu
 295 20 25 30
 299 Arg Ala Gly Thr Val Cys Lys Arg Ala Val Gly Asp Asp Met Asp Asp
 301 35 40 45
 305 Tyr Cys Thr Gly Ile Ser Ser Asp Cys Pro Arg Asn Pro Tyr Lys Asp
 307 50 55 60
 319 <210> SEQ ID NO: 8
 321 <211> LENGTH: 49
 323 <212> TYPE: PRT
 325 <213> ORGANISM: Eristocophis macmahonii
 329 <400> SEQUENCE: 8
 331 Gln Glu Glu Pro Cys Ala Thr Gly Pro Cys Cys Arg Arg Cys Lys Phe
 333 1 5 10 15
 337 Lys Arg Ala Gly Lys Val Cys Arg Val Ala Arg Gly Asp Trp Asn Asp
 339 20 25 30
 343 Asp Tyr Cys Thr Gly Lys Ser Cys Asp Cys Pro Arg Asn Pro Trp Asn
 345 35 40 45
 349 Gly
 357 <210> SEQ ID NO: 9
 359 <211> LENGTH: 49
 361 <212> TYPE: PRT
 363 <213> ORGANISM: Echis carinatus
 367 <400> SEQUENCE: 9
 369 Glu Cys Glu Ser Gly Pro Cys Cys Arg Asn Cys Lys Phe Leu Lys Glu
 371 1 5 10 15
 375 Gly Thr Ile Cys Lys Arg Ala Arg Gly Asp Asp Met Asp Asp Tyr Cys
 377 20 25 30
 381 Asn Gly Lys Thr Cys Asp Cys Pro Arg Asn Pro His Lys Gly Pro Ala
 383 35 40 45
 387 Thr
 395 <210> SEQ ID NO: 10
 397 <211> LENGTH: 70
 399 <212> TYPE: PRT
 401 <213> ORGANISM: Trimeresurus flavoviridis
 405 <400> SEQUENCE: 10
 407 Gly Glu Glu Cys Asp Cys Gly Ser Pro Ser Asn Pro Cys Cys Asp Ala
 409 1 5 10 15
 413 Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Ala Asp Gly Leu Cys
 415 20 25 30
 419 Cys Asp Gln Cys Arg Phe Lys Lys Lys Thr Gly Ile Cys Arg Ile Ala
 421 35 40 45
 425 Arg Gly Asp Phe Pro Asp Asp Arg Cys Thr Gly Leu Ser Asn Asp Cys
 427 50 55 60
 431 Pro Arg Trp Asn Asp Leu

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Input Set : A:\SEQUENCE LISTING6056-236.txt

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433 65 70
439 <210> SEQ ID NO: 11
441 <211> LENGTH: 68
443 <212> TYPE: PRT
445 <213> ORGANISM: Calloselasma rhodostoma
449 <400> SEQUENCE: 11
451 Gly Lys Glu Cys Asp Cys Ser Ser Pro Glu Asn Pro Cys Cys Asp Asp
453 1 5 10 15
457 Ala Thr Cys Lys Leu Arg Pro Gly Ala Gln Cys Gly Glu Gly Leu Cys
459 20 25 30
463 Cys Glu Gln Cys Lys Phe Ser Arg Ala Gly Lys Ile Cys Arg Ile Pro
465 35 40 45
469 Arg Gly Asp Met Pro Asp Asp Arg Cys Thr Gly Gln Ser Ala Asp Cys
471 50 55 60
475 Pro Arg Tyr His
477 65
483 <210> SEQ ID NO: 12
485 <211> LENGTH: 6
487 <212> TYPE: PRT
489 <213> ORGANISM: Artificial Sequence
493 <220> FEATURE:
495 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
497 peptide
501 <400> SEQUENCE: 12
503 Gly Arg Gly Asp Ser Pro
505 1 5
511 <210> SEQ ID NO: 13
513 <211> LENGTH: 6
515 <212> TYPE: PRT
517 <213> ORGANISM: Artificial Sequence
521 <220> FEATURE:
523 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
525 peptide
529 <400> SEQUENCE: 13
531 Gly Arg Gly Glu Ser Pro
533 1 5
539 <210> SEQ ID NO: 14
541 <211> LENGTH: 4
543 <212> TYPE: PRT
545 <213> ORGANISM: Artificial Sequence
549 <220> FEATURE:
551 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
553 peptide
557 <400> SEQUENCE: 14
559 Met Leu Asp Gly
561 1
567 <210> SEQ ID NO: 15
569 <211> LENGTH: 4
571 <212> TYPE: PRT

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573 <213> ORGANISM: Artificial Sequence
 577 <220> FEATURE:
 579 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
 581 peptide
 585 <400> SEQUENCE: 15
 587 Arg Gly Asp Ser
 589 1
 595 <210> SEQ ID NO: 16
 597 <211> LENGTH: 13
 599 <212> TYPE: PRT
 601 <213> ORGANISM: Artificial Sequence
 605 <220> FEATURE:
 607 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
 609 peptide
 613 <220> FEATURE:
 615 <221> NAME/KEY: DISULFID
 617 <222> LOCATION: (1)..(13)
 621 <400> SEQUENCE: 16
 623 Cys Lys Arg Ala Met Leu Ala Gly Leu Asn Asp Tyr Cys
 625 1 5 10
 631 <210> SEQ ID NO: 17
 633 <211> LENGTH: 13
 635 <212> TYPE: PRT
 637 <213> ORGANISM: Artificial Sequence
 641 <220> FEATURE:
 643 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
 645 peptide
 649 <220> FEATURE:
 651 <221> NAME/KEY: DISULFID
 653 <222> LOCATION: (1)..(13)
 657 <400> SEQUENCE: 17
 659 Cys Lys Arg Ala Met Leu Asp Gly Leu Asn Asp Tyr Cys
 661 1 5 10
 667 <210> SEQ ID NO: 18
 669 <211> LENGTH: 5
 671 <212> TYPE: PRT
 673 <213> ORGANISM: Artificial Sequence
 677 <220> FEATURE:
 679 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
 681 peptide
 685 <400> SEQUENCE: 18
 687 Met Leu Asp Gly Leu
 689 1 5
 695 <210> SEQ ID NO: 19
 697 <211> LENGTH: 67
 699 <212> TYPE: PRT
 701 <213> ORGANISM: Echis carinatus
 705 <220> FEATURE:
 707 <221> NAME/KEY: VARIANT

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

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Input Set : A:\SEQUENCE LISTING6056-236.txt

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L:23 M:270 C: Current Application Number differs, Replaced Application Number
L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20